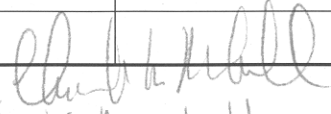
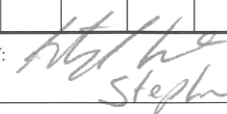


COC # 171

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244 (425) 420-9200 FAX 420-9210
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20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711 (541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #: M107030

CLIENT: Bristol			INVOICE TO: Bristol										TURNAROUND REQUEST in Business Days* Organic & Inorganic Analyses <div style="display: flex; justify-content: space-around;"> <div>10 7 5 4 3 2 1 <1</div> <div>STD.</div> <div>Petroleum Hydrocarbon Analyses</div> </div> <div style="display: flex; justify-content: space-around;"> <div>5 4 3 2 1 <1</div> <div>STD.</div> <div>Please Specify</div> </div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-top: 5px;">OTHER</div>					
REPORT TO: Anne Krawawetter			P.O. NUMBER: 21090															
ADDRESS: Anchitka Island, AK																		
PHONE: 907 770-0974 FAX: 770 0975																		
PROJECT NAME: Anchitka			REQUESTED ANALYSES															
PROJECT NUMBER: 21090																		
SAMPLED BY: Cam / DJV																		
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME	DND	BTEX/nap											MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID
1. 01AM F1304SL		7/14/01 1000	X	X											S	2		
2. 01AM F1305SL		7/14/01 1005	X	X											S	2		
3. 01AM F1306SL		7/14/01 1010	X	X											S	2		
4. 01AM F1307SL		7/14/01 1015	X	X											S	2		
5. 01AM F1308SL		7/14/01 1020	X	X											S	2		
6. 01AM F1309SL		7/14/01 1022		X											S	1		
7.																		
8.																		
9.																		
10.																		
11.																		
12.																		
13.																		
14.																		
15.																		
RELINQUISHED BY: 			DATE: 7/14/01			RECEIVED BY: 			DATE: 7/14/01									
PRINT NAME: Charlie Marshall FIRM: Bristol			TIME: 1625			PRINT NAME: Stephen Wilson FIRM: NCA			TIME: 1625									
RELINQUISHED BY:			DATE:			RECEIVED BY:			DATE:									
PRINT NAME:			TIME:			PRINT NAME:			TIME:									
ADDITIONAL REMARKS: ALT F-13 Non Regulated																	TEMP:	
COC REV 3/99																	PAGE	OF



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541.383.9310 fax 541.382.7588

7 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 07/14/01 16:25. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M107030



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/17/01 12:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMF1304SL	M107030-01	Soil	07/14/01 10:00	07/14/01 16:25
01AMF1305SL	M107030-02	Soil	07/14/01 10:05	07/14/01 16:25
01AMF1306SL	M107030-03	Soil	07/14/01 10:10	07/14/01 16:25
01AMF1307SL	M107030-04	Soil	07/14/01 10:15	07/14/01 16:25
01AMF1308SL	M107030-05	Soil	07/14/01 10:20	07/14/01 16:25
01AMF1309SL	M107030-06	Soil	07/14/01 10:22	07/14/01 16:25

COC #171

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Environmental Laboratory Network

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/17/01 12:47

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMF1304SL (M107030-01) Soil					Sampled: 07/14/01 Received: 07/14/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	07/15/01	07/15/01	0107056	
Surr: 1-Chlorooctadecane	72.8 %	50-150							
Surr: Triacontane	96.0 %	50-150							
01AMF1305SL (M107030-02) Soil					Sampled: 07/14/01 Received: 07/14/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	07/15/01	07/15/01	0107056	
Surr: 1-Chlorooctadecane	91.3 %	50-150							
Surr: Triacontane	93.3 %	50-150							
01AMF1306SL (M107030-03) Soil					Sampled: 07/14/01 Received: 07/14/01				
Diesel Range Organics	3390	150	mg/kg dry	1	AK 102	07/15/01	07/15/01	0107056	D-16
Surr: 1-Chlorooctadecane	68.6 %	50-150							
Surr: Triacontane	83.4 %	50-150							
01AMF1307SL (M107030-04) Soil					Sampled: 07/14/01 Received: 07/14/01				
Diesel Range Organics	2590	150	mg/kg dry	1	AK 102	07/15/01	07/15/01	0107056	
Surr: 1-Chlorooctadecane	101 %	50-150							
Surr: Triacontane	96.9 %	50-150							
01AMF1308SL (M107030-05) Soil					Sampled: 07/14/01 Received: 07/14/01				
Diesel Range Organics	7830	150	mg/kg dry	1	AK 102	07/15/01	07/15/01	0107056	
Surr: 1-Chlorooctadecane	62.0 %	50-150							
Surr: Triacontane	97.8 %	50-150							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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North Creek Analytical, Inc.
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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/17/01 12:47

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMF1304SL (M107030-01) Soil

Sampled: 07/14/01 Received: 07/14/01

Benzene	ND	0.0459	mg/kg dry	50	1B BTEX/MTI	07/16/01	07/16/01	0107064	
Toluene	ND	0.184	"	"	"	"	"	"	
Ethylbenzene	ND	0.184	"	"	"	"	"	"	
Xylenes (total)	ND	0.367	"	"	"	"	"	"	
Naphthalene	ND	1.84	"	"	"	"	"	"	

Surr: 4-BFB 85.6 % 50-150

01AMF1305SL (M107030-02) Soil

Sampled: 07/14/01 Received: 07/14/01

Benzene	ND	0.0502	mg/kg dry	50	1B BTEX/MTI	07/16/01	07/16/01	0107064	
Toluene	ND	0.201	"	"	"	"	"	"	
Ethylbenzene	ND	0.201	"	"	"	"	"	"	
Xylenes (total)	ND	0.401	"	"	"	"	"	"	
Naphthalene	ND	2.01	"	"	"	"	"	"	

Surr: 4-BFB 88.2 % 50-150

01AMF1306SL (M107030-03) Soil

Sampled: 07/14/01 Received: 07/14/01

R-05

Benzene	ND	0.0796	mg/kg dry	50	1B BTEX/MTI	07/16/01	07/16/01	0107064	
Toluene	ND	0.319	"	"	"	"	"	"	
Ethylbenzene	ND	0.319	"	"	"	"	"	"	
Xylenes (total)	ND	0.637	"	"	"	"	"	"	
Naphthalene	ND	3.19	"	"	"	"	"	"	

Surr: 4-BFB 88.9 % 50-150

01AMF1307SL (M107030-04) Soil

Sampled: 07/14/01 Received: 07/14/01

R-05

Benzene	ND	0.0920	mg/kg dry	50	1B BTEX/MTI	07/16/01	07/16/01	0107064	
Toluene	ND	0.368	"	"	"	"	"	"	
Ethylbenzene	ND	0.368	"	"	"	"	"	"	
Xylenes (total)	1.69	0.736	"	"	"	"	"	"	
Naphthalene	8.20	3.68	"	"	"	"	"	"	

Surr: 4-BFB 124 % 50-150

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/17/01 12:47

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMF1308SL (M107030-05) Soil					Sampled: 07/14/01 Received: 07/14/01			R-05	
Benzene	ND	0.101	mg/kg dry	50	1B BTEX/MTI	07/16/01	07/16/01	0107064	
Toluene	ND	0.403	"	"	"	"	"	"	
Ethylbenzene	ND	0.403	"	"	"	"	"	"	
Xylenes (total)	ND	0.807	"	"	"	"	"	"	
Naphthalene	6.92	4.03	"	"	"	"	"	"	

Surr: 4-BFB 103 % 50-150

01AMF1309SL (M107030-06) Soil					Sampled: 07/14/01 Received: 07/14/01				
Benzene	ND	0.117	mg/kg dry	50	1B BTEX/MTI	07/16/01	07/16/01	0107064	
Toluene	ND	0.467	"	"	"	"	"	"	
Ethylbenzene	ND	0.467	"	"	"	"	"	"	
Xylenes (total)	ND	0.933	"	"	"	"	"	"	
Naphthalene	ND	4.67	"	"	"	"	"	"	

Surr: 4-BFB 92.3 % 50-150

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/17/01 12:47

Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMF1304SL (M107030-01) Soil					Sampled: 07/14/01 Received: 07/14/01				
% Solids	89.3	0.0100 % by Weight		1	Gravimetric	07/15/01	07/16/01	0107063	
01AMF1305SL (M107030-02) Soil					Sampled: 07/14/01 Received: 07/14/01				
% Solids	89.6	0.0100 % by Weight		1	Gravimetric	07/15/01	07/16/01	0107063	
01AMF1306SL (M107030-03) Soil					Sampled: 07/14/01 Received: 07/14/01				
% Solids	86.8	0.0100 % by Weight		1	Gravimetric	07/15/01	07/16/01	0107063	
01AMF1307SL (M107030-04) Soil					Sampled: 07/14/01 Received: 07/14/01				
% Solids	89.1	0.0100 % by Weight		1	Gravimetric	07/15/01	07/16/01	0107063	
01AMF1308SL (M107030-05) Soil					Sampled: 07/14/01 Received: 07/14/01				
% Solids	82.4	0.0100 % by Weight		1	Gravimetric	07/15/01	07/16/01	0107063	
01AMF1309SL (M107030-06) Soil					Sampled: 07/14/01 Received: 07/14/01				
% Solids	100	0.0100 % by Weight		1	Gravimetric	07/15/01	07/16/01	0107063	

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/17/01 12:47

Diesel Hydrocarbons (C10-C25) per AK102 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch 0107056 - 3545 ASE

Blank (0107056-BLK1)

Prepared & Analyzed: 07/15/01

Diesel Range Organics	ND	150	mg/kg wet						
Surr: 1-Chlorooctadecane	22.1		"	23.7		93.2	50-150		
Surr: Triacontane	22.4		"	23.5		95.3	50-150		

LCS (0107056-BS1)

Prepared & Analyzed: 07/15/01

Diesel Range Organics	1120	150	mg/kg wet	1250		89.6	75-125		
Surr: 1-Chlorooctadecane	25.6		"	23.7		108	50-150		
Surr: Triacontane	23.8		"	23.5		101	50-150		

LCS Dup (0107056-BSD1)

Prepared & Analyzed: 07/15/01

Diesel Range Organics	1340	150	mg/kg wet	1250		107	75-125	17.9	20
Surr: 1-Chlorooctadecane	17.5		"	23.7		73.8	50-150		
Surr: Triacontane	21.3		"	23.5		90.6	50-150		

Matrix Spike (0107056-MS1)

Source: M107030-01

Prepared & Analyzed: 07/15/01

Diesel Range Organics	1530	150	mg/kg dry	1330	ND	114	60-140		
Surr: 1-Chlorooctadecane	16.9		"	25.2		67.1	50-150		
Surr: Triacontane	24.0		"	25.0		96.0	50-150		

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Environmental Laboratory Network



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Bristol Environmental & Engineering
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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/17/01 12:47

BTEX, MTBE and Naphthalene per EPA Method 8021B - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch 0107064 - MeOH Extraction

Blank (0107064-BLK1)

Prepared & Analyzed: 07/16/01

Benzene	ND	0.0250	mg/kg wet
Toluene	ND	0.100	"
Ethylbenzene	ND	0.100	"
Xylenes (total)	ND	0.200	"
Naphthalene	ND	1.00	"

Surr: 4-BFB 2.61 " 2.50 104 50-150

LCS (0107064-BS1)

Prepared & Analyzed: 07/16/01

Benzene	2.39	0.0250	mg/kg wet	2.50	95.6	69-138
Toluene	2.53	0.100	"	2.50	101	53-151
Ethylbenzene	2.52	0.100	"	2.50	101	61-141
Xylenes (total)	7.73	0.200	"	7.50	103	62-141
Naphthalene	3.09	1.00	"	2.50	124	65-135

Surr: 4-BFB 2.76 " 2.50 110 50-150

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/17/01 12:47

Notes and Definitions

D-16 Detected hydrocarbons in the diesel do not have a distinct diesel pattern and may be due to heavily weathered diesel.

R-05 Reporting limits raised due to dilution necessary for analysis.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M107030 FINAL 07 17 01 1247.mdb Default Report (not modified)
M107030-03	8021B BTEX/MTBE/N		R-05
M107030-03	AK102 (DRO)	Diesel Range Organics	D-16
M107030-04	8021B BTEX/MTBE/N		R-05
M107030-05	8021B BTEX/MTBE/N		R-05